

Notice of References Cited

Application/Control No.

68/403,736 10/693,688

Applicant(s)/Patent Under

Reexamination
LI ET AL.

Examiner

Eleanor Sorbello

Art Unit

1633

Page 1 of 1

U.S. PATENT DOCUMENTS

*		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	DOCUMENT SOURCE **	
							APS	OTHER
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NON-PATENT DOCUMENTS

*		DOCUMENT (Including Author, Title Date, Source, and Pertinent Pages)					DOCUMENT SOURCE **	
							APS	OTHER
<input checked="" type="checkbox"/>	U	Dang et al. Gene Therapy and Translational Cancer Therapy, Clinical Cancer Research, Vol 5, 471-474, Feb 1999					<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	V	Eck, S.L. et al., 1996, Ch. 5. Gene Based Therapy, Goodman & Gillman's The Pharmacological basis of Therapeutics. page 77-101ok et al.					<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	W	Robbins, Review: Viral Vectors for gene therapy, Trends in Biotechnology, Vol. 16, pages 35-40, Jan. 1998					<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	X						<input type="checkbox"/>	<input type="checkbox"/>

*A copy of this reference is not being furnished with this Office action. (See Manual of Patent Examining Procedure, Section 707.05(a).)

**APS encompasses any electronic search i.e. text, image, and Commercial Databases.

J.S. Patent and Trademark Office

PTO-892 (Rev. 03-98)

Notice of References Cited

Part of Paper No. 9

Scott D. Pardo 12/9/05

PTO-1449

FORM PTO-1449 (Modified) (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	APPLICATION NO.
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		A2778A-US	10/693,688 09/403,736
		APPLICANT	
		Hong LI <i>et al.</i>	
		FILING DATE	GROUP
		October 26, 1999	1633

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

SDP		Palmer, Gyorfy, <i>et al.</i> "Combined treatment of a murine breast cancer model with type 5 adenovirus vectors expressing murine angiostatin and il-12: a role for combined anit-angiogenesis and immunotherapy," <i>J. Immunol.</i> , May 15, 2001, 166(10):6212-7. (Abstract only)
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EXAMINER	Scott D. Priebe	DATE CONSIDERED	12/5/05
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Substitute for form 1449B/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application No.	09/403,736
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Filing Date	10/26/1999
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Group Art Unit	.1632 /633
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Examiner Name	S. Priebe
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Attorney Docket No.	A2778A-US
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Examiner Initials*	Country Code	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant in Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS

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Examiner Signature	<i>Scott D. Pribe</i>	Date Considered	<i>12/05/05</i>
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1449A/PTO		U.S. Department of Commerce Patent and Trademark Office		Complete if Known	
LIST OF PRIOR ART CITED BY APPLICANT (use as many sheets as necessary)				Application Number	09/403,736 10/693,688
				Filing Date	26 October 1999
				First Named Inventor	Li et al.
				Group Art Unit	1633
				Examiner Name	
Sheet	1	of	19	Attorney Docket Number	A2778A-US

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Examiner Initials	Cite No.	U.S. Patent Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Rel vant Figures App ar
SDP	AA	4,650,764		Temin et al.	03-17-1987	
	AB	4,797,368		Carter et al.	01-10-1989	
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	FA	EP	185 573	Perricaudet et al.	06-25-1986		N
	FB	EP	253 738	Golin et al.	07-17-1986		N
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	✓ FG	WO	91/18088	Chatterjee et al.	11-28-1991		
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	✓ FI	EP	178 220	Jacob et al.	02-01-1992		

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SDP	AL	5,292,921		Correa et al.	03-08-1994	
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SDP	FJ	WO	92/05263	Inglis et al.	04-02-1992		
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	FN	WO	93/15199	Fleer et al.	08-05-1993		N
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V	FR	WO	94/28152	Imler et al.	12-08-1994		N

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Application Number	08/403,736 10/693,688
Filing Date	26 October 1999
First Named Inventor	Li et al.
Group Art Unit	1633
Examiner Name	
Attorney Docket Number	A2778 A-US

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		Office	Number	Kind Code (if known)				
SDP	FS	WO	94/28938		Wilson et al.	12-22-1994		
J	FT	WO	95/02697		Perricaudet et al.	01-26-1995		N
	FU	WO	95/07358		Dougherty et al.	03-16-1995		
	FV	WO	95/18863		Behr et al.	07-13-1995		N
	FW	WO	95/21931		Bazile et al.	08-17-1995		N
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	FZ	EP	488 528		Lebkowski et al.	11-29-1995		
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, country, where published, source.	T
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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SDP	PI	Shapiro et al., Induction of Primary Cutaneous Melanocytic Neoplasms in Urokinase-Type Plasminogen Activator (uPA)-deficient and Wild-Type Mice: Cellular Blue Nevi Invade but Do Not Progress to Malignant Melanoma in uPA-deficient Animals, Cancer Research 56, 3597-3604 (1996)	
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SDP	✓ PY	Schmitt et al., Tumor-associated Proteases, Fibrinolysis 6(4), 3-26 (1992)	
	✓ PZ	Stratford-Perricaude et al., Widespread Long-term Gene Transfer to Mouse Skeletal Muscles and Heart, J. Clin. Invest. 90, 626-630 (1992)	
	✓ QA	Weidner et al., Tumor Angiogenesis and Metastasis-Correlation in Invasive Breast Carcinoma, The New England Journal of Medicine 324(1), 1-8 (1991)	
	✓ QB	Hanahan et al., Patterns and Emerging Mechanisms of the Angiogenic Switch during Tumorigenesis, Cell 86, 353-364 (1996)	
	✓ QC	Wickham et al., Integrins avB3 and avB5 Promote Adenovirus Internalization but Not Virus Attachment, Cell 73, 309-319 (1993).	
	✓ QD	Brooks et al., Integrin avB3 Antagonists Promote Tumor Regression by Inducing Apoptosis of Angiogenic Blood Vessels, Cell 79, 1157-1164 (1994)	
	✓ QE	O'Reilly et al., Endostatin: An Endogenous Inhibitor of Angiogenesis and Tumor Growth, Cell 88, 277-285 (1997)	
✓	✓ QF	Dong et al., Macrophage-Derived Metalloelastase Is Responsible for the Generation of Angiostatin in Lewis Lung Carcinoma, Cell 88, 801-810 (1997)	

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LIST OF PRIOR ART CITED BY
APPLICANT

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Application Number	09/403,736 10/693,688
Filing Date	26-October 1999
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SDP	✓ QG	King et al., Mitosis in Transition, Cell 79, 563-571 (1994)	
	✓ QH	Yeh et al., Advances in adenoviral vectors: from genetic engineering to their biology, FASEB 11, 615-623 (1997)	
	✓ QI	Folkman, What Is the Evidence That Tumors Are Angiogenesis Dependent?, Journal of the National Cancer Institute 82(1), 4-6 (1990)	
	✓ QJ	Mirshahi et al., Evaluation of the Inhibition by Heparin and Hirudin of Coagulation Activation During r-tPA-Induced Thrombolysis, Blood, 74(3) 1025-1030 (1989)	
	✓ QK	Plate et al., Vascular endothelial growth factor is a potential tumour angiogenesis factor in human gliomas in vivo, Nature 359, 845-848 (1992)	
	✓ QL	Roth et al., Gene Therapy for Cancer: What Have We Done and Where Are We Going?, Journal of the National Cancer Institute 89(1), 21-39 (1997)	
	✓ QM	Clapp et al., The 16-Kilodalton N-Terminal Fragment of Human Prolactin Is a Potent Inhibitor of Angiogenesis, Endocrinology 133(3), 1292-1299 (1993)	
U	✓ QN	Kim et al., Inhibition of vascular endothelial growth factor-induced angiogenesis suppresses tumour growth in vivo, Nature 362, 841-844 (1993)	

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SDP	✓ QO	Hamada et al., Separable growth and migration factors for large-cell lymphoma cells secreted by microvascular endothelial cells derived from target organs for metastasis, Br. J. Cancer 66, 349-354 (1992)	
	✓ QP	Trochon et al., Evidence of Involvement of CD44 In Endothelial Cell Proliferation, Migration and Angiogenesis In Vivo, Int. J. Cancer 66, 664-668 (1996)	
	✓ QQ	Fan et al., Controlling the vasculature: angiogenesis, anti-angiogenesis and vascular targeting of gene therapy, TiPS 16, 57-66 (1995)	
	✓ QR	Rifkin et al., Growth factor control of extracellular proteolysis, Cell Differentiation & Development 32, 313-318 (1990)	
	✓ QS	Lu et al., Blockage of urokinase receptor reduces in vitro the motility and the deformability of endothelial cells, FEBS Letters 380, 21-24 (1996)	
	✓ QT	Kobayashi et al., Inhibition of Metastasis Of Lewis Lung Carcinoma By A Synthetic Peptide Within Grown Factor-Like Domain Of Urokinase In The Experimental and Spontaneous Metastasis Model, Int. J. Cancer 57, 727-733 (1994)	
	✓ QU	Lu et al., Blockage of the urokinase receptor on the cell surface: construction and characterization of a hybrid protein consisting of the N-terminal fragment of human urokinase and human albumin, FEBS Letters 356, 56-59 (1994)	
	✓ QV	Holmgren et al., Dormancy of micrometastases: Balanced proliferation and apoptosis in the presence of angiogenesis suppression, Nature Medicine 1(2), 149-153 (1995)	

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	✓ QX	Hayes et al., Carbohydrate of the Human Plasminogen Variants, The Journal of Biological Chemistry 254(18), 8772-8776 (1979)	
	✓ QY	Roldan et al., Cloning and expression of the receptor for human urokinase plasminogen activator, a central molecule in cell surface, plasmin dependent proteolysis, The EMBO Journal 9(2), 467-474 (1990)	
	✓ QZ	Hirt, Selective Extraction of Polyoma DNA from Infected Mouse Cell Cultures, J. Mol. Biol. 26, 365-369 (1967)	
	✓ RA	Folkman, Angiogenesis in cancer, vascular, rheumatoid and other disease, Nature Medicine 1(1), 27-31 (1995)	
	✓ RB	Belin et al., Cloning, nucleotide sequencing and expression of cDNAs encoding mouse urokinase-type plasminogen activator, Eur. J. Biochem 148, 225-232 (1985)	
	✓ RC	Naldini et al., Extracellular proteolytic cleavage by urokinase is required for activation of hepatocyte growth factor/scatter factor, The EMBO Journal 11(13), 4825-4833 (1992)	
	✓ RD	O'Reilly et al., Angiostatin induces and sustains dormancy of human primary tumors in mice, Nature Medicine 2(6), 689-692 (1996)	

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SDP	✓ RE	Dvorak et al., Identification and Characterization of the Blood Vessels of Solid Tumors That Are Leaky to Circulating Macromolecules, American Journal of Pathology 133(1), 95-109 (1988)	
	✓ RF	Readhead et al., Expression of a Myelin Basic Protein Gene in Transgenic Shiverer Mice: Correction of the Dysmyelinating Phenotype, Cell, 48, 703-712 (1987)	
	✓ RG	Kollias et al., Regulated Expression of Human A Gamma, Beta, and Hybrid Gamma Beta-Globin Genes in Transgenic Mice: Manipulation of the Developmental Expression Patterns, Cell 46, 89-94, (1986)	
	✓ RH	Leder et al., Consequences of Widespread Deregulation of the c-myc Gene in Transgenic Mice: Multiple Neoplasms and Normal Development, Cell 45, 485-495 (1986)	
	✓ RI	Yamamoto et al., Identification of a Functional Promoter in the Long Terminal Repeat of Rous Sarcoma Virus, Cell 22, 787-797 (1980)	
	✓ RJ	Mann et al., Construction of a Retrovirus Packaging Mutant and Its Use to Produce Helper-Free Defective Retrovirus, Cell 33, 153-159 (1983)	
	✓ RK	Swift et al., Tissue-Specific Expression of the Rat Pancreatic Elastase I Gene in Transgenic Mice, Cell 38, 639-646 (1984)	
✓	✓ RL	Grosschedl et al., Introduction of a Micro Immunoglobulin Gene into the Mouse Germ Line: Specific Expression in Lymphoid Cells and Synthesis of Functional Antibody, Cell 38, 647-658 (1984)	

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SDP	✓ RM	Markowitz et al., A Safe Packaging Line for Gene Transfer: Separating Viral Genes on Two Different Plasmids, Journal of Virology 62(4), 1120-1124 (1988)	
	✓ RN	Kuo et al., Efficient Gene Transfer Into Primary Murine Lymphocytes Obviating the Need for Drug Selection, Blood 82(3), 845-852 (1993)	
	✓ RO	Machy et al., Gene transfer from targeted liposomes to specific lymphoid cells by electroporation, Proc. Natl. Acad. Sci. 85, 8027-8031 (1988)	
	✓ RP	Felgner et al., Lipofection: A highly efficient, lipid-mediated DNA-transfection procedure, Proc. Natl. Acad. Sci. 84, 7413-7417 (1987)	
	✓ RQ	Bender et al., Evidence that the Packaging Signal of Moloney Murine Leukemia Virus Extends into the gag Region, Journal of Virology 1639-1646 (1987)	
	✓ RR	Ulmer et al., Heterologous Protection Against Influenza by Injection of DNA Encoding a Viral Protein, Science 259, 1745-1749 (1993)	
	✓ RS	Le Gal La Salle et al., An Adenovirus Vector For Gene Transfer into Neurons and Glia in the Brain, Science 259, 988-990 (1993)	
✓	✓ RT	Samulski et al., A Recombinant Plasmid from Which an Infectious Adeno-Associated Virus Genome Can Be Excised In Vitro and Its use To Study Viral Replication, Journal of Virology 61(10), 3096-3101 (1987)	

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SDP	✓ RM	Lebkowski et al., Adeno-Associated Virus: a Vector system for Efficient Introduction and Integration of DNA into a Variety of Mammalian Cell Types, Molecular & Cellular Biology 8(10), 3988-3996 (1988)	
	✓ RN	Alexander et al., Expression of the c-myc Oncogene under Control of an Immunoglobulin Enhancer in Eu-myc Transgenic Mice, Molecular & Cellular Biology 7(4), 1436-1444 (1987)	
	✓ RO	Krumlauf et al., Developmental Regulation of alpha-Fetoprotein Genes in Transgenic Mice, Molecular & Cellular Biology 5(7), 1639-1648 (1985)	
	✓ RP	Hammer et al., Diversity of Alpha-Fetoprotein Gene Expression in Mice Is Generated by a Combination of Separate Enhancer Elements, Science 235, 53-58 (1987)	
	✓ RQ	Mason et al., The Hypogonadal Mouse: Reproductive Functions Restored by Gene Therapy, Science 234, 1372-1378 (1986)	
	✓ RR	Williams et al., Introduction of foreign genes into tissues of living mice by DNA-coated microprojectiles, Proc. Natl. Acad. Sci. 88, 2726-2730 (1991)	
	✓ RS	DeBoer et al., The tac promoter: A functional hybrid derived from the trp and lac promoters, Proc. Natl. Acad. Sci. 80, 21-25 (1983)	
✓	✓ RT	Villa-Komaroff et al., A bacterial clone synthesizing proinsulin, Proc. Natl. Acad. Sci. 75(8), 3727-3731 (1978)	

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SDP	✓ RU	Wagner et al., Nucleotide sequence of the thymidine kinase gene or herpes simplex virus type 1, Proc. Natl. Acad. Sci. 78(3), 1441-1445 (1981)	
	✓ RV	Hutchison et al., A complete library of point substitution mutations in the glucocorticoid response element of mouse mammary tumor virus, Proc. Natl. Acad. Sci. 83, 710-714 (1986)	
	✓ RW	Wu et al., Receptor-mediated Gene Delivery and Expression in Vivo, Journal of Biological Chemistry 263(29), 14621-14624 (1988)	
	✓ RX	Wilson et al., Hepatocyte-directed Gene Transfer in Vivo Leads to Transient Improvement of Hypercholesterolemia in Low Density Lipoprotein Receptor-deficient Rabbits, Journal of Biological Chemistry 267(2), 963-967 (1992)	
	✓ RY	Wu et al., Receptor-mediated in Vitro Gene Transformation by a Soluble DNA Carrier System, Journal of Biological Chemistry 262(10), 4429-4432 (1987)	
	✓ RZ	Benoist et al., In vivo sequence requirements of the SV40 early promoter region, Nature 290, 304-310 (1981)	
	✓ SA	Brinster et al., Regulation of metallothionein-thymidine kinase fusion plasmids injected into mouse eggs, Nature 296, 39-42 (1982)	
✓	✓ SB	Shani, Tissue-specific expression of rat myosin light-chain 2 gene in transgenic mice, Nature 314, 283-286 (1985)	

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SDP	✓ SC	Hanahan, Heritable formation of pancreatic Beta-cell tumours in transgenic mice expressing recombinant insulin/simian virus 40 oncogenes, Nature 315, 115-122 (1985)	
	✓ SD	Magram et al., Developmental regulation of a cloned adult Beta-globin gene in transgenic mice, Nature 315, 338-340 (1985)	
	✓ SE	Gilbert et al., Useful Proteins from Recombinant Bacteria, Scientific American 242(4), 74-94 (1980)	
	✓ SF	Kaplitt et al., Expression of a Functional Foreign Gene in Adult Mammalian Brain following in Vivo Transfer via a Herpes Simplex Virus Type 1 Defective Viral Vector, Molecular & Cellular Neurosciences 2, 320-330 (1991)	
	✓ SG	Samulski et al., Helper-Free Stocks of Recombinant Adeno-Associated Viruses: Normal Integration Does Not Require Viral Gene Expression, Journal of Virology 63(9), 3822-3828 (1989)	
	✓ SH	Beard et al., Transcription Mapping of Mouse Adenovirus Type 1 Early Region 3, Virology 175, 81-90 (1990)	
	✓ SI	Levrero et al., Defective and nondefective adenovirus vectors for expressing foreign genes in vitro and in vivo, Gene 101, 195-202 (1991)	
✓	✓ SJ	Graham, Covalently closed circles of human adenovirus DNA are infectious, The EMBO Journal 3(12), 2917-2922 (1984)	

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SDP	✓ SK	Pinkert et al., An albumin enhancer located 10 kb upstream functions along with its promoter to direct efficient, liver-specific expression in transgenic mice, Genes & Development 1, 268-276 (1987)	
	✓ SL	Adams et al., The c-myc oncogene driven by immunoglobulin enhancers induces lymphoid malignancy in transgenic mice, Nature 318, 533-538 (1985)	
	✓ SM	Kelsey et al., Species- and tissue-specific expression of human alpha1-antitrypsin in transgenic mice, Genes & Development 1, 161-171 (1987)	
	✓ SN	Johnson et al., Inhibition of Angiogenesis by Tissue Inhibitor of Metalloproteinase, Journal of Cellular Physiology 160, 194-202 (1994)	
	✓ SO	Wilhelm et al., Recombinant soluble urokinase receptor as a scavenger for urokinase-type plasminogen activator (uPA) Inhibition of proliferation and invasion of human ovarian cancer cells, FEBS Letters 337, 131-134 (1994)	
	✓ SP	Hutchinson et al., Mutagenesis at a Specific Position in a DNA Sequence, The Journal of Biological Chemistry 253(18), 6551-6560 (1978)	
	✓ SQ	Oliphant et al., Cloning of random-sequence oligodeoxynucleotides, Gene 44, 177-183 (1986)	
	✓ SR	Bernstein et al., Gene Transfer with Retrovirus Vectors, Genetic Engineering 7, 235-261 (1985)	

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SDP	✓ SS	McCormick, Human Gene Therapy: The First Round, Bio/Technology 3(8), 689-693 (1985)	
	✓ ST	Miller et al., Improved Retroviral Vectors for Gene Transfer and Expression, BioTechniques 7(9), 980-990 (1989)	
	✓ SU	Felgner et al., Cationic liposome-mediated transfection, Nature 337, 387-388 (1989)	
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LIST OF PRIOR ART CITED BY
APPLICANT

(use as many sheets as necessary)

Application Number	09/403,736 10/693,688
Filing Date	26 October 1999
First Named Inventor	Li et al.
Group Art Unit	1633
Examiner Name	
Attorney Docket Number	A2778 A-US

Sheet 19 of 19

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00/403,736 10/693,688

Applicant(s)/Patent Under
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Art Unit

1633

Page 1 of 1

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification	
	✓A	US-6,251,433	06-2001	Zuckermann et al	424	486
	✓B	US-5,652,095	07-1997	Taniguchi et al	435	6
	C	US-				
	D	US-				
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

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	N						
	O						
	P						
	Q						
	R						
	S						
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)					
	U	Wilson, Vehicles for gene therapy, 1993, NAUTRE, Vol. 365, pp. 691-692					
	V						
	W						
	X						

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
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10/693,688

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Application/Control No.

097403,736

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Li et al.

Examiner

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Art Unit 1633

1632

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* <input type="checkbox"/>	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Name	Classification ²	
SDP 11 <input checked="" type="checkbox"/> A	6,143,290	11/2000	Zhang et al.	424	93.2
<input checked="" type="checkbox"/> B	5,885,795	3/1999	O'Reilly et al.	435	69.1
<input type="checkbox"/> C					
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SDP 11 x <input checked="" type="checkbox"/> U	Tanaka et al., "Viral vector-mediated transduction of modified platelet factor 4 cDNA inhibits angiogenesis and tumor growth," Nature Med. 3 (4): 437-442, April 5, 1997.					
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